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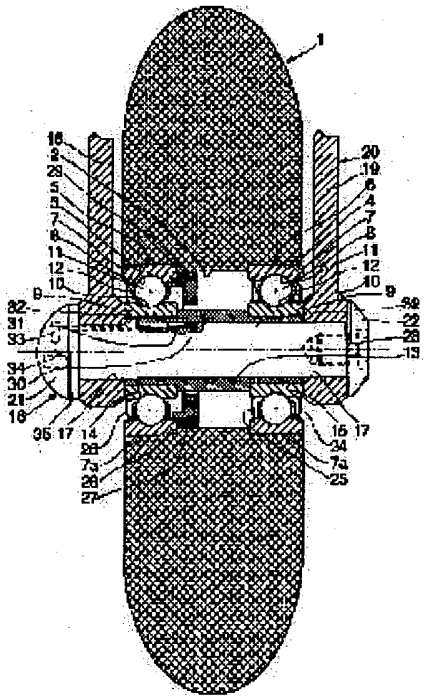
(54) DEVICE FOR DETECTING ROTATIONAL SPEED AND WHEEL ASSEMBLY FOR INLINE SKATE HAVING THE SAME

(57)Abstract:
PROBLEM TO BE SOLVED: To provide a device for detecting rotational speed which enables protection of a sensor and an encoder.
SOLUTION: In this device which detects the rotational speed of a wheel 1 of each inline skate, the wheel is supported by rotary bearing rings 7 of two roller bearings 5 and 6 and fixed bearing rings 9 of the roller bearings are fixed on an axle 16 mounted on a plate 20. This detecting device is provided with a sensor means 30 and an encoder means which are arranged in a space formed by the two roller bearings in the axial direction thereof and by a cylindrical circumferential surface with the diameter thereof equal to the outer diameter 7a of the external bearing rings 7 of the roller bearings coaxially with the roller bearings in the radial direction thereof.



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